



# FortiAP-S and FortiAP-W2 Release Notes

**VERSION 5.4.4**

**FORTINET DOCUMENT LIBRARY**

<http://docs.fortinet.com>

**FORTINET VIDEO GUIDE**

<http://video.fortinet.com>

**FORTINET BLOG**

<https://blog.fortinet.com>

**CUSTOMER SERVICE & SUPPORT**

<https://support.fortinet.com>

<http://cookbook.fortinet.com/how-to-work-with-fortinet-support/>

**FORTIGATE COOKBOOK**

<http://cookbook.fortinet.com>

**FORTINET TRAINING SERVICES**

<http://www.fortinet.com/training>

**FORTIGUARD CENTER**

<http://www.fortiguard.com>

**FORTICAST**

<http://forticast.fortinet.com>

**END USER LICENSE AGREEMENT**

<http://www.fortinet.com/doc/legal/EULA.pdf>

**FEEDBACK**

Email: [techdocs@fortinet.com](mailto:techdocs@fortinet.com)



Tuesday, July 11, 2017

FortiAP-S and FortiAP-W2 Release Notes

40-544-439260-20170711

# TABLE OF CONTENTS

<b>Change Log</b>	<b>4</b>
<b>Introduction</b>	<b>5</b>
Supported models	5
What's new in FortiAP-S 5.4.4 and FortiAP-W2 5.4.4	5
<b>Upgrade Information</b>	<b>7</b>
Upgrading from FortiAP-S/FortiAP-W2 version 5.4.3 or later	7
Downgrading to previous firmware versions	7
Firmware image checksums	7
<b>Product Integration and Support</b>	<b>8</b>
FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 support	8
<b>Resolved Issues</b>	<b>9</b>
Common vulnerabilities and exposures	9
<b>Known Issues</b>	<b>11</b>

## Change Log

Date	Change Description
August 14, 2017	Added support for FAP-S221E, FAP-S223E, FAP-221E, and FAP-223E.
July 11, 2017	Initial release.

# Introduction

This document provides the following information for FortiAP-S and FortiAP-W2 version 5.4.4:

- [Supported models](#)
- [What's new in FortiAP-S 5.4.4 and FortiAP-W2 5.4.4](#)
- [Upgrade Information](#)
- [Product Integration and Support](#)
- [Resolved Issues](#)
- [Known Issues](#)

For more information on upgrading your FortiAP device, see the *FortiWiFi and FortiAP Configuration Guide for FortiOS 5.4* in the [Fortinet Document Library](#).

## Supported models

FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 support the following models:

Category	Model	Build
FortiAP-S	FAP-S311C, FAP-S313C, FAP-S321C, FAP-S321CR, FAP-S322C, FAP-S322CR, FAP-S323C, FAP-S323CR, FAP-S421E, FAP-S422E, FAP-S423E	0176
	FAP-S221E, FAP-S223E	4137
FortiAP-W2	FAP-421E, FAP-423E	0176
	FAP-221E, FAP-223E	4137



FortiAP-W2 models do not have UTM functionality.

## What's new in FortiAP-S 5.4.4 and FortiAP-W2 5.4.4

The following is a list of new features and enhancements in FortiAP-S 5.4.4 and FortiAP-W2 5.4.4:

- FortiAP-S platforms have newer IPS engine (v3.310) and AV engine (v5.239).
- WiFi region and country code adjustment:
  - Albania, Tanzania, and Zimbabwe now belong to region "E"
  - Kazakhstan belongs to region "P"

- Yemen belongs to region "V"
- Algeria belongs to region "I"
- "Wave 2" FortiAP-S and FortiAP-W2 platforms support DFS channels for more SKUs:
  - FAP-421E-A, FAP-423E-A, FAP-S421E-A, FAP-S422E-A, FAP-S423E-A
  - FAP-421E-J, FAP-423E-J, FAP-S421E-J, FAP-S423E-J
  - FAP-421E-K, FAP-423E-K, FAP-S421E-K, FAP-S423E-K
  - FAP-421E-T, FAP-423E-T
- "Wave 2" FortiAP-S and FortiAP-W2 platforms support more DFS channels (120, 124 and 128) with region code A or V.
- "Wave 2" FortiAP-S and FortiAP-W2 platforms support new region and country codes:
  - Region "C" includes China and Pakistan.
  - Region "D" includes India and Nepal.
  - Region "Y" includes Egypt.
- "Wave 2" FortiAP-S and FortiAP-W2 platforms support 802.11a/b/g data rate and 802.11n/ac MCS index customization.
- Support new models: FAP-S221E, FAP-S223E, FAP-221E and FAP-223E.
- FAP-S221E and FAP-S223E support Bluetooth Low Energy (BLE) feature.

# Upgrade Information

## Upgrading from FortiAP-S/FortiAP-W2 version 5.4.3 or later

FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 supports upgrading from FortiAP-S 5.4.3 and FortiAP-W2 5.4.3 respectively.

## Downgrading to previous firmware versions

FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 supports downgrading to FortiAP-S 5.4.3 and FortiAP-W2 5.4.3 respectively.

## Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in select *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

# Product Integration and Support

## FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 support

The following table lists FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 product integration and support information.

### FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 support

Web Browsers	<ul style="list-style-type: none"><li>• Microsoft Internet Explorer version 11</li><li>• Google Chrome version 47</li><li>• Mozilla Firefox version 41</li><li>• Safari version 8</li></ul> <p>Other web browsers may function correctly, but are not supported by Fortinet.</p>
FortiOS	<ul style="list-style-type: none"><li>• 5.4.5 and later</li><li>• 5.6.1 and later for FAP-S221E, FAP-S223E, FAP-221E, and FAP-223E</li></ul>



# Resolved Issues

The following issues have been fixed in version 5.4.4. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
301726	Sniffer mode did not work on 802.11ac radio.
378694	On 2.4GHz band, channels 8 and 9 didn't use upper channel after configuring channel-bonding 40MHz.
396029	Local-standalone WPA2-Enterprise SSID can support OKC when NAT mode is enabled.
396045	Fixed DNS rotation issue to improve the display of the social-media authentication page for FortiCloud captive-portal SSID.
400441	"Wave 2" FortiAP/FortiAP-S platforms support data rate-control feature.
400986	FortiAP GUI (HTTP/HTTPS web UI) can support X-Frame-Options and Content-Security-Policy response headers.
402200	FortiAP lost a few beacon frames on 2.4GHz radio with multiple SSIDs configured.
402227	Fixed kernel crash on mesh-leaf FortiAP when mesh-backhaul SSID was configured with WPA/WPA2(auto) Personal.
409852	FortiCloud captive portal with social-media login was not working consistently.
416198	Active WiFi Clients occasionally got disconnected from local-bridging VAP.
421843	Fixed a mesh connection issue on DFS channel when mesh-backhaul SSID broadcast is disabled.
421923	With 6 Mbps and higher 802.11g data rates configured in SSID, FortiAP-S/FortiAP-W2 2.4GHz radio was transmitting beacon frames at 1 Mbps.
421928	With 802.11n-only, 802.11g-only or 802.11n,g-only configured, FortiAP-S/FortiAP-W2 2.4GHz radio was transmitting beacon frames at 1 Mbps.
416198	WiFi clients were getting disconnected every few minutes in local-bridging VAP.
409741 422620	Fixed a watchdog issue in "Wave 2" FortiAP-S and FortiAP-W2 platforms.

## Common vulnerabilities and exposures

FortiAP-S 5.4.4 and FortiAP-W2 5.4.4 are no longer vulnerable to the following CVE Reference:

- CVE-2012-6704
- CVE-2017-3730
- CVE-2017-3731
- CVE-2017-3732
- CVE-2016-7055
- CVE-2016-7406
- CVE-2016-7407
- CVE-2016-7408
- CVE-2016-7409
- CVE-2016-10229

Visit <https://fortiguard.com/psirt> for more information.

## Known Issues

The following issues have been identified in version 5.4.4. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

Bug ID	Description
276655	The USB port on all FortiAP-S/FortiAP-W2 models is disabled.
374645	FortiAP-S/FortiAP-W2 models do not support spectrum-analysis feature.



High Performance Network Security



Copyright© 2017 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features, or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.